

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2005/050043

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B33/029 C01B33/03 C01B33/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 684 513 A (IYA ET AL) 4 August 1987 (1987-08-04) column 1, lines 56-63 column 3, lines 9-15 column 3, lines 24,25 column 4, line 10 column 4, line 13 column 4, lines 30,31 column 4, line 65 - column 5, line 2	1-12
P,A	US 2004/047795 A1 (KONIG THEO ET AL) 11 March 2004 (2004-03-11) paragraphs '0024!, '0025!	1-12 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

2 May 2005

Date of mailing of the international search report

11/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5816 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo n.
Fax: (+31-70) 340-3016

Authorized officer

Arnotte, E

RETIRED AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/050043

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 38 42 099 A1 (UNION CARBIDE CORP., DANBURY, CONN., US) 22 June 1989 (1989-06-22) page 3, line 66 – page 4, line 1 page 4, lines 5-8 claims 1,2	1-12
A	US 4 906 441 A (FLAGELLA ET AL) 6 March 1990 (1990-03-06) column 4, lines 37-44 claim 16	1-12
A	US 4 818 495 A (IYA ET AL) 4 April 1989 (1989-04-04) claim 1	1-12
A	DE 41 27 819 A1 (WACKER-CHEMITRONIC GESELLSCHAFT FUER ELEKTRONIK-GRUNDSTOFFE MBH, 8263) 25 February 1993 (1993-02-25) column 4, lines 60-65	1-12
A	US 4 676 967 A (BRENEMAN ET AL) 30 June 1987 (1987-06-30) claim 1	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050043

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4684513	A	04-08-1987	CA US	1218218 A1 4818495 A		24-02-1987 04-04-1989
US 2004047795	A1	11-03-2004	DE AT AU DE WO EP	10057481 A1 267770 T 2180502 A 50102439 D1 0240400 A1 1337463 A1		23-05-2002 15-06-2004 27-05-2002 01-07-2004 23-05-2002 27-08-2003
DE 3842099	A1	22-06-1989	CA JP JP US	1336937 C 2006392 A 2562360 B2 5139762 A		12-09-1995 10-01-1990 11-12-1996 18-08-1992
US 4906441	A	06-03-1990	CA DE JP JP	1334125 C 3839700 A1 1168334 A 2649834 B2		31-01-1995 08-06-1989 03-07-1989 03-09-1997
US 4818495	A	04-04-1989	CA US	1218218 A1 4684513 A		24-02-1987 04-08-1987
DE 4127819	A1	25-02-1993	NONE			
US 4676967	A	30-06-1987	CA DE JP JP JP CA	1210220 A1 3311650 A1 58217422 A 63000367 B 63079718 A 1151395 A1		26-08-1986 13-10-1983 17-12-1983 06-01-1988 09-04-1988 09-08-1983

RIGHT AVAILABLE COPY